

AMENDMENTS TO THE CLAIMS

1. (currently amended): A method ~~of treatment with photodynamic therapy to increase~~ the number of terminal hairs on the skin of a subject in need of such increase comprising:

(a) administering photosensitizer to an area of skin of said subject where hair growth is desired; and

(b) irradiating the area with energy containing a wavelength appropriate to activate the photosensitizer;

~~wherein there is 2% or more increase in the number of terminal hairs in the treated area within 3 months~~ is increased.

2. (currently amended): ~~[[A]] The method of treatment with photodynamic therapy comprising administering photosensitizer to an area of skin where hair growth is desired and irradiating the area with energy containing a wavelength appropriate to activate the photosensitizer~~ claim 1, wherein the treatment irradiating delivers a low dose of PDT and result in an increase in the number of terminal hairs in the treated area.

3. (currently amended): ~~A method according to Claim 2~~ The method of claim 1, wherein ~~there is a 2% or more, preferably 3% or more, more preferably 4% or more,~~ increase in the number of terminal hairs in the treated area is at least 2% within 3 months.

4. (currently amended): ~~A method according to Claim 1~~ The method of claim 2, wherein ~~there is 3% or more, preferably 4% or more,~~ the increase in the number of terminal hairs in the treated area is at least 2% within 3 months.

5. (currently amended): ~~A method according to any of the preceding claims~~ The method of claim 1, wherein the photosensitizer is administered topically to the area where hair growth is desired. administering in step (a) is topical.

6. (currently amended): ~~A method according to any of the preceding claims~~
The method of claim 5, wherein the photosensitizer is administered topically and is massaged said topical administering includes massaging on the area where hair growth is desired.

7. (currently amended): ~~A method according to any of the preceding claims~~
The method of claim 5, wherein the photosensitizer is administered in the form of a topical formulation having a viscosity at 20°C of from about 50 cps to about 50000 cps.

8. (currently amended): ~~A method according to any of the preceding claims~~
The method of claim 1, wherein the photosensitizer is selected from the group consisting of pro-porphyrins, porphyrins, porphyrins porphyrin derivatives, and mixtures thereof.

9. (currently amended): ~~A method according to any of the preceding claims~~
The method of claim 1, wherein the activation irradiating of step (b) is conducted by delivering said energy is delivered at a time 5 minutes to 4 hours after the administration of administering the photosensitizer.

10. (currently amended): ~~A method according to any of the preceding claims~~
The method of claim 1, wherein the total dose of the activation energy in step (b) does not exceed 200 J/cm², preferably 100 J/cm².

11. (currently amended): ~~A method according any of the preceding claims wherein the subject is additionally treated~~
The method of claim 1, which further includes treating the subject with at least one non-photodynamic treatment that causes an increase in the number of terminal hairs within the treatment area.

12. (currently amended): ~~A method according to any of the preceding claims wherein the~~
The method of claim 1, wherein the subject is treated with at least one non-photodynamic treatment is selected from the group consisting of 5-alpha reductase inhibitors, minoxidil, hair transplantation, scalp reduction, and combinations thereof.

13. (currently amended): ~~[[A]] The method of treatment with photodynamic therapy comprising administering a photosensitizer to an area where an increase in the number of terminal hairs is desired and irradiating that area with activation energy of an appropriate wavelength to activate the photosensitizer~~ claim 1, wherein said ~~method increases the level of at least one~~ pro-inflammatory ~~cytokines~~ cytokine in the treated area ~~treated~~ is increased.

14. (currently amended): ~~A method according to Claim 13~~ The method of claim 13, wherein the at least one pro-inflammatory cytokine is selected from the group consisting of granulocyte-macrophage colony stimulating factor, interleukin-1- α , and interleukin-1- β , ~~and combinations thereof~~.

15. (currently amended): ~~A method according to any of the preceding claims~~ The method of claim 1, wherein the subject is suffering from hair loss caused by androgenetic alopecia.

16. (currently amended): A method of determining ~~[[the]]~~ any increase in hair growth in a subject's first area of skin exhibiting hair growth reduction or hair loss, said method comprising:

- (a) administering a photosensitizer to said first area of said skin;
- (b) irradiating said ~~[[skin]]~~ first area with electromagnetic energy containing a wavelength absorbed by said photosensitizer to activate it; and
- (c) ~~measuring comparing the increase in hair growth, wherein an increase in hair growth in comparison to in said first area to hair growth in a second area of said skin that has not been treated with both (a) and (b), can be determined~~ whereby any increase in hair growth in said first area is determined.

17. (currently amended): ~~The method of Claim 16~~ claim 16, wherein said photosensitizer ~~is selected from those which absorb~~ absorbs radiation in the range of 400nm to 800nm.

18. (currently amended): The method of ~~Claim 16 or 17~~ claim 16, wherein the photosensitizer is administered by topical application.

19. (currently amended): The method of ~~Claim 16, 17 or 18~~ claim 16, wherein said electromagnetic energy is visible light.

20. (currently amended): The method of ~~Claim 16, 17, 18 or 19~~ claim 16, wherein the increase in hair growth is measured by counting the number of terminal hairs, measuring hair weight, measuring hair density, and/or measuring hair shaft diameter.